

BEST AVAILABLE COPY**POLYESTER RESIN PELLET AND ITS PRODUCTION, POLYESTER MOLDED PRODUCT USING THE SAME**

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Inventor: YUKI KIWAMU; MATSUDA TSUNETOSHI
Applicant: UNITIKA LTD
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Abstract of JP11005892

PROBLEM TO BE SOLVED: To obtain the subject pellet capable of reducing the by-production of cyclic oligomers on its melt-molding without inhibiting a solid phase polymerization reaction by covering the surface layer of the specific polyester resin pellet with a specific phosphorus compound.

SOLUTION: This polyester resin pellet is obtained by covering (A) a part or all parts of polyethylene terephthalate pellet or a polyester resin pellet consisting mainly of the polyethylene terephthalate preferably produced by the melt-polycondensation of terephthalic acid component and ethylene glycol component as main components and having an intrinsic viscosity of 0.5-1.5 with (B) ≤ 1 wt.% of a phosphorus compound containing a phosphorus atom having an oxidation number of V and comprising one kind of phosphoric acid selected from orthophosphoric acid, metaphosphoric acid, polymetaphosphoric acid of the formula: $(\text{HPO}_3)_m$ [(m) is ≥ 3] and polyphosphoric acid of the formula: $\text{H}_{n+2}\text{P}_n\text{O}_{3n+1}$ [(n) is ≥ 2] or its salt or ester. A method for covering the component A with the component B includes a method comprising spraying the powder of the component B on the component A.

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